

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

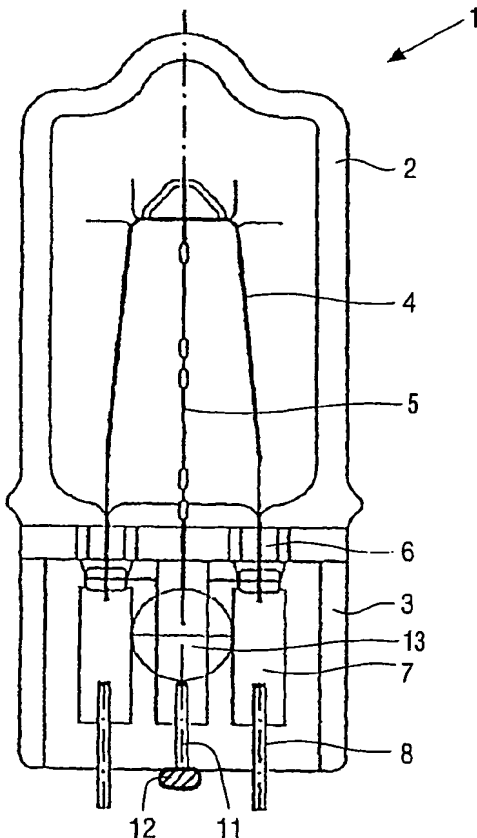
PCT

(10) International Publication Number
WO 2004/057646 A2

- (51) International Patent Classification⁷: **H01K 1/18**
- (21) International Application Number:
PCT/IB2003/050026
- (22) International Filing Date:
27 November 2003 (27.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02080526.3 20 December 2002 (20.12.2002) EP
- (71) Applicant (*for all designated States except DE, US*):
KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (71) Applicant (*for DE only*): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **CLAASSENS, Ja-**
cobus, M., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656
AA Eindhoven (NL). **EIJSEMAN, Joseph, F., R.**
[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven
(NL). **KOHLMANN, Wilfried, L.** [DE/DE]; c/o Prof.
Holstlaan 6, NL-5656 AA Eindhoven (DE).
- (74) Agents: **PET, Robert, J.** et al.; Philips Intellectual Prop-
erty & Standards, Prof. Holstlaan 6, NL-5656 AA Eind-
hoven (NL).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,

[Continued on next page]

(54) Title: HALOGEN INCANDESCENT LAMP



(57) Abstract: A halogen incandescent lamp comprising a transparent sealed bulb (2), a gas filling comprising an inert gas and a halogen additive, a luminous element (4) which is attached to a current supply system (7, 8, 9) extending in a pinched portion (3) of the bulb, and a mount (5, 9, 10, 11, 12, 13) extending from at least adjacent the outside of the pinched portion (3) into the bulb (2) and comprising at least one metal support wire (5) which retains the luminous element (4) in the vicinity of the end of the bulb (2) remote from the pinched portion (3), wherein the mount (5, 9, 10, 11, 12, 13) comprises a non-conducting part (9, 10; 12) such that the outer end of the part (11; 12) of the mount (5, 9, 10, 11, 12, 13) at or near the outside of the pinched portion (3) and the support wire (5) are electrically insulated from each other.



KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

(84) **Designated States (regional):** ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.